

Results of Analyses  
Wastewater Spill Monitoring –  
Beachwalk SPS Spill (Shoreline Stations)  
May 10, 2006

Samples collected Tuesday, May 9, 2006 (47<sup>th</sup> day):

Spill reported on March 24, 2006.

NPDES Permit No. HI 0020117.

<u>Station</u>	<u>Collection Time</u>	<u>Bacterial Counts / 100 mL</u>			<u>Salinity</u>
		<u>Fecal Coliform<sup>iv</sup></u>	<u>Enterococci<sup>v</sup></u>	<u>C. perfringens<sup>vi</sup></u>	
Magic Island Finger	7:28 A.M.	50	40	8	32.1
Ala Moana Canoe Launch Ramp	7:36 A.M.	70	100	54	27.2
Magic Island Lagoon	7:32 A.M.	4	1	3	34.2
Ala Wai Harbor Boat Launch Ramp	7:41 A.M.	200	100	8	28.3
Hilton Lagoon	7:47 A.M.	7	1	1	33.8
Hale Koa Hotel	7:58 A.M.	6	4	3	33.9
Halekulani-Sheraton	8:07 A.M.	51	2	< 1	33.0
Moana Hotel	8:17 A.M.	4	10	2	34.3
Kapahulu Groin	8:28 A.M.	< 70	< 70	2	33.4
Queen's Surf Beach	8:30 A.M.	< 1	< 1	< 1	34.1
Natatorium	8:40 A.M.	< 1	< 1	1	34.2

Weather:      Partly cloudy

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<u>Station</u>	<u>Collection Time</u>	<u>Bacterial Counts / 100 mL</u>			<u>Salinity</u>
		<u>Fecal Coliform</u> <sup>4</sup>	<u>Enterococci</u> <sup>5</sup>	<u>C. perfringens</u> <sup>6</sup>	
Date St.Bridge- Upstream	9:22 A.M.	1,700	1,700	72	0.1
Seaside Ave.- Upstream	8:55 A.M.	100	100	28	27.8
Kaiolu St.-Spill site	9:00 A.M.	1,900	870	56	14.4
McCully St. Bridge.	9:08 A.M.	400	300	22	18.5
Ala Moana Blvd. Bridge	9:13 A.M.	500	200	26	22.3

Weather: Sunny.

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<sup>4</sup> APHA, AWWA, WEF, Standard Methods for the Examination of Water and Wastewater, 18<sup>th</sup> Edition, 1992, Membrane Filter Method for Fecal Coliform.

<sup>5</sup> Improved Enumeration Methods for the Recreational Water Quality Indicators: Enterococci and *Escherichia coli*, EPA/821/R-97/004, March 2000, Membrane Filter Method 1600 for Enterococci.

<sup>6</sup> Bisson, J.W., Cabelli, V.J., "Membrane Filter Enumeration Method for *Clostridium perfringens*," Applied and Environmental Microbiology, Jan 1978; Armon, R., Payment, P., "A Modified mCP Medium for Enumerating *C. perfringens* from Water Samples," Canadian Journal of Microbiology, 1988.